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To: [Dana Bayuk](#)
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Subject: Gasco: Notice of Intent to Install Additional Extraction Well
Date: Thursday, August 25, 2016 12:45:39 PM
Attachments: [Proposed extraction well x-section.pdf](#)
[Proposed Extraction Well MAP.PDF](#)

Dana,

The following email is provided on behalf of John Edwards.

Hello Dana. NW Natural plans to install an additional Upper Alluvium WBZ extraction well at the Gasco site. The well is tentatively named PW-17U. It will be located at the north end of the HC&C system. The primary reasons for installing this well are to reduce the pumping rate of extraction well PW-10 and to increase drawdown in the Upper Alluvium in the vicinity of monitoring well MW-22U. The location of well PW-17U is currently being evaluated. As you know, the current well configuration effectively maintains capture. Regardless, we are proposing installation of this additional well to allow us to adjust PW-10 to an optimum flow rate, which will extend the life of the pump and reduce overall long term O&M costs. The attached cross section and map show the well location that is being considered. Once we have finalized our plans we will send DEQ the design information, including location, screen depth, and well construction details. We plan to install the well once the design has been completed, approved by DEQ, and a drilling contractor can be scheduled.

Thanks

John

Please contact John with any questions.

Thank you,
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